

Title (en)

COMPOSITE MATERIAL REINFORCED BY SPRINGLIKE METAL STRUCTURE

Title (de)

DURCH FEDERARTIGE METALLSTRUKTUR VERSTÄRKTES VERBUNDMATERIAL

Title (fr)

MATERIAU COMPOSITE RENFORCE PAR UNE STRUCTURE METALLIQUE HELICOIDALE

Publication

EP 1268166 A1 20030102 (EN)

Application

EP 00993392 A 20001213

Priority

- EP 00993392 A 20001213
- EP 0012782 W 20001213
- EP 99204341 A 19991215

Abstract (en)

[origin: WO0143950A1] A composite material (16) comprising a polymer (17) as matrix and a metal structure (10) as a reinforcing element, characterized in that said metal structure (10) comprises two metal springs (12, 14), said springs (12, 14) being wound in opposite directions, said springs having coil parts which alternate with each other along the length of the metal structure, said springs being rolled so as to form a flat shape.

IPC 1-7

B29C 70/26; **D04H 3/04**

IPC 8 full level

B29C 70/26 (2006.01); **D04H 3/04** (2006.01)

CPC (source: EP US)

B29C 70/26 (2013.01 - EP US); **B29K 2027/06** (2013.01 - EP US); **B29K 2105/0809** (2013.01 - EP US); **B29L 2007/007** (2013.01 - EP US); **B29L 2007/008** (2013.01 - EP US); **Y10T 442/188** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0143950 A1 20010621; AU 2842401 A 20010625; EP 1268166 A1 20030102; US 2002193023 A1 20021219

DOCDB simple family (application)

EP 0012782 W 20001213; AU 2842401 A 20001213; EP 00993392 A 20001213; US 14892302 A 20020605